

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-24 (cancelled)

Claim 25 (new): An isolated polynucleotide comprising:

- (a) a nucleotide sequence encoding a polypeptide having Glu-tRNA Reductase activity, wherein the polypeptide has an amino acid sequence of at least 80% sequence identity, based on the Clustal V method of alignment, when compared to SEQ ID NO:4; or
- (b) a complement of the nucleotide sequence, wherein the complement and the nucleotide sequence consist of the same number of nucleotides and are 100% complementary.

Claim 26 (new): The polynucleotide of Claim 25, wherein the amino acid sequence of the polypeptide has at least 85% sequence identity, based on the Clustal V method of alignment, when compared to SEQ ID NO:4.

Claim 27 (new): The polynucleotide of Claim 25, wherein the amino acid sequence of the polypeptide has at least 90% sequence identity, based on the Clustal V method of alignment, when compared to SEQ ID NO:4.

Claim 28 (new): The polynucleotide of Claim 25, wherein the amino acid sequence of the polypeptide has at least 95% sequence identity, based on the Clustal V method of alignment, when compared to SEQ ID NO:4.

Claim 29 (new): The polynucleotide of Claim 25, wherein the amino acid sequence of the polypeptide comprises SEQ ID NO:4.

Claim 30 (new): The polynucleotide of Claim 25, wherein the nucleotide sequence comprises SEQ ID NO:3.

Claim 31 (new): A vector comprising the polynucleotide of Claim 25.

Claim 32 (new): A recombinant DNA construct comprising the polynucleotide of Claim 25 operably linked to at least one regulatory sequence.

Claim 33 (new): A method for transforming a cell, comprising transforming a cell with the polynucleotide of Claim 25.

Claim 34 (new): A cell comprising the recombinant DNA construct of Claim 32.

Claim 35 (new): A method for producing a plant comprising transforming a plant cell with the recombinant DNA construct of Claim 32 and regenerating a plant from the transformed plant cell.

Claim 36 (new): A plant comprising the recombinant DNA construct of Claim 32.

Claim 37 (new): A seed comprising the recombinant DNA construct of Claim 32.